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CLAIMS

A security item, characterized by at least one security element having at least one photoluminescent segment characterized by a linearly polarized photoluminescence and/or linearly polarized absorption.

- 2. The security item, characterized by at least one security element having at least one segment characterized by a linearly polarized absorption.
- 3. The security item according to Claims 1 through 2, characterized in that this segment has a dichroic ratio of 2 or more in absorption and/or emission.
- 4. The security item according to Clares 1 through 2, characterized in that this segment has a dichroic ratio of 5 or more in absorption and/or emission.
- 5. The security item according to Claims 1 through 2, characterized in that this segment has a dichroic ratio of 10 or more in absorption and/or emission.
- 6. The security item according to Claims 1 through 5, characterized in that the security element is in a form selected from the group consisting of fibers, threads, strips, films, sheets, layers, tapes, plates, disks, chips and/or combinations thereof.

- 7. The security item according to Claims 1 through 6, characterized in that apart from the security element, it consists mainly of paper.
- 8. The security item according to Claims 1 through 6, characterized in that apart from the security element, it contains one or more synthetic polymers.
- 9. The security item according to Claims 1 and 3 through 8, characterized in that the security element can be excited to luminescence by irradiation with electromagnetic radiation at a wavelength between 200 and 400 nm.
- 10. The security item according to Claims 1 and 3 through 9, characterized in that the security element includes at least one carrier polymer and one luminescent dye.
- 11. The security item according to Claims and 3 through 10, characterized in that the luminescent dye is at least one partially conjugated polymer.
- 12. The security item according to Claims 1 and 3 through 11, characterized in that the luminescent dye is a poly-p-phenylene-ethynylene derivative.
- 13. A use of the security item according to Claims 1 through 12 for objects whose counterfeiting is to be made difficult or impossible.

- 14. The use of the security item according to Claims 1 through 12 for objects whose authenticity and/or validity is to be identified.
- 15. The use of the security item according to Claims 1 through 12 for objects whose identification is to be permitted and/or simplified.
- 16. The use of the security item according to Claims 1 through 12 for an object from the group consisting of bank notes, checks, stocks and bonds, securities, identification cards, passports, drivers licenses, admission tickets, stamps, bank cards, and credit cards.
- 17. A method of producing security items according to Claims 1 through 12, characterized, in that an object is provided with a security element which contains at least one segment and is characterized by a linearly polarized photoluminescence and/or a linearly polarized absorption.